AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-31. (canceled)

32. (currently amended) An information recording apparatus, comprising:

a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded;

a first controlling device for controlling said recording device to record the record information alternately into said first recording layer and said second recording layer in an opposite track path manner and thereby to form a plurality of border areas, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion, and wherein when the record information is recorded in each border area, the first controlling device controls said recording device (i) to firstly record the record information into the

first area portion from an inner circumferential side of the information recording medium to an outer circumferential side of the information recording medium, then (ii) to perform a layer jump which changes a recording layer targeted for recording from the first recording layer to the second recording layer and then (iii) to record the record information into the second area portion from the outer circumferential side to the inner circumferential side;

a second controlling device for controlling said recording device to update-record anchor information, which is recorded in anchor area as being a start point in reading file system information for controlling at least one of recording and reproduction of the record information and which is referred to in reading the file system information, into a recording area in each of said first recording layer and said second recording layer, whose position is variable, other than the anchor area as the record information after a recording of the border area is finished, wherein the anchor area is prepared each of said first recording layer and said second recording layer;

a third controlling device for controlling said recording device to record four update block sector pointers, each of which indicates an address value of the recording area other than the anchor area in which the anchor information is update-recorded, wherein one of the four update block sector pointers indicates an address value of the most inner edge of the

recording area into which the record information is lastly recorded and which is in the second recording layer;

a fourth controlling device for controlling said recording device to record four update block sector effective flags, each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded into the recording area other than the anchor area; and

a fifth controlling device for controlling said recording device to record the anchor information into a border-in area and a border-out area each of which is prepared on said second recording layer and each of which is a border management area to manage the border area, in closing the border area.

33. (previously presented) The information recording apparatus according to claim 32, wherein said second controlling device controls said recording device to update-record the anchor information into at least one portion of a user data area to record therein the record information.

34. (previously presented) The information recording apparatus according to claim 33, wherein said second controlling device controls said recording device to update-record the anchor information into the at least one portion of the user data area before closing the border area.

35. (previously presented)   The information recording apparatus according to claim 32, wherein said second controlling device controls said recording device to update-record the anchor information into the border management area.

36. (canceled)

37. (canceled)

38. (previously presented)   The information recording apparatus according to claim 32, wherein said third controlling device controls said recording device to record the update block sector pointers into a recording management area to manage the recording of the record information.

39. (previously presented)   The information recording apparatus according to claim 32, wherein

said second controlling device controls said recording device to update-record the anchor information into a recording area which follows a recording area in which the record information is already recorded, in completing the recording of the record information, and

said information recording apparatus further comprises a judging device for judging whether or not the address value

indicated by at least one of the update block sector pointers is equal to an address value of a recording area in which the record information is lastly recorded.

40. (canceled)

41. (previously presented) The information recording apparatus according to claim 32, wherein said fourth controlling device controls said recording device to record the update block sector effective flags into a border management area to manage the border area.

42. (canceled)

43. (currently amended) An information recording method in an information recording apparatus comprising:

a recording device for recording record information onto an information recording medium, comprising a first recording layer and a second recording layer in which the record information can be recorded,

said information recording method comprising:

a first controlling process of controlling said recording device to record the record information alternately into said first recording layer and said second recording layer in an opposite track path manner and thereby to form a plurality

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of border areas, wherein the border area (i) is a recording unit by which the record information is alternately recorded and (ii) includes a first area portion in the first recording layer and a second area portion in the second recording layer whose radius position is substantially same as that of the first area portion, and wherein when the record information is recorded in each border area, the first controlling process controls said recording device (i) to firstly record the record information into the first area portion from an inner circumferential side of the information recording medium to an outer circumferential side of the information recording medium, then (ii) to perform a layer jump which changes a recording layer targeted for recording from the first recording layer to the second recording layer and then (iii) to record the record information into the second area portion from the outer circumferential side to the inner circumferential side;

a second controlling process of controlling said recording device to update-record anchor information, which is recorded into anchor area as being a start point in reading file system information for controlling at least one of recording and reproduction of the record information and which is referred to in reading the file system information, into a recording area in each of said first recording layer and said second recording layer, whose position is variable other than the anchor area as the record information after a recording of the border area is

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finished, wherein the anchor area is prepared each of said first recording layer and said second recording layer;

a third controlling process of controlling said recording device to record four update block sector pointers, each of which indicates an address value of the recording area other than the anchor area in which the anchor information is update-recorded, <u>wherein one of the four update block sector pointers indicates an address value of the most inner edge of the recording area into which the record information is lastly recorded and which is in the second recording layer</u>;

a fourth controlling process of controlling said recording device to record four update block sector effective flags, each of which corresponds to respective one of the update block sector pointers and each of which indicates whether or not the anchor information is update-recorded into the recording area other than the anchor area; and

a fifth controlling device for controlling said recording device to record the anchor information into a border-in area and a border-out area each of which is prepared on said second recording layer and each of which is a border management area to manage the border area, in closing the border area.

44-67. (canceled)